

This Briefing is Classified UNCLASSIFIED



DoD Response in a Public Health Emergency

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NORAD

- Who we are
- What we do
- Examples

NORTHCOM

- Who we are
- What we do
- Examples



NORAD's Mission







"NORAD will conduct air operations within its assigned area of operations to deter, prevent, and, if necessary, defeat hostile air attacks on North American territory, population and designated

Aerospace Warning

Aerospace Control



NORAD - Who we are

NORAD

- Bi-National Command
- Established in 1958
- Commanded by U.S. Flag Officer and Canadian Flag Officer Deputy





Cheyenne Mountain AFS

- <u>Purpose</u>: Defense _{смос} of North American
 - **Aerospace**
- People
 - 340 people at HQs
 - •33% Canadian

CANADIAN NORAD REGION



CONUS NORAD REGION



ALASKAN NORAD REGION





Where we operate





Aerospace warning

- Detect, characterize, and warn of attacks against
 North America
 - Hostile aircraft
 - Ballistic missiles
 - Space vehicles
- Provide threat
 assessment
 to the Prime Minister of
 Canada and President of
 the United States









Aerospace control

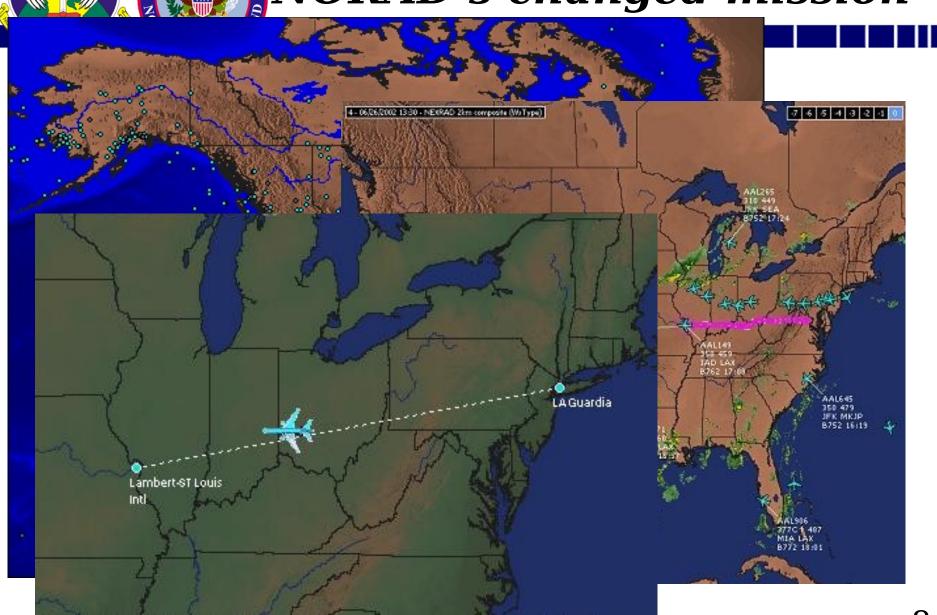
- Uphold our Nations' right to air sovereignty
 - Serve as a deterrent to potential threats
- Conduct air defense operations, should deterrence fail
- Operation NOBLE EAGLE
 - NORAD's air defense response is our "last option"
 - First line of defense is airport security, passenger







NORAD's changed mission





Why NORTHCOM?

The Catalyst









NORTHCOM's mission

- Conduct operations to deter, prevent and defeat threats and aggression aimed at the United States, its territories, and interests within the assigned area of responsibility;
- As directed by the President or Secretary of Defense, provide military assistance to civil authorities including consequence management operations.



Not a new mission

- "... against all enemies, foreign and domestic..."
- Millions of service members have been taking this oath for many years.

Our Area of Responsibility





Who's in the Area of Responsibility?











Bahamas

Bermuda

British Virgin Islands

Canada

Cuba



Mexico



St Pierre & Miguelon



Turks & Caicos Islands



United States

NORTHCOM's Area of Responsibility (AOR) includes U.s. territories, island nations and European possessions. Alaska is in the AOR. Alaskan forces and the State of Hawaii remain within U.S. Pacific Command's AOR. Our AOR does not include Greenland

Z PATHERN CONTINUE

Organization



ADM Keating Commander, NORAD and USNORTHCOM

A regional unified command for homeland defense





Our Partners



President of the United States



Federal Emergency Management Agency



U.S. Coast Guard



National Guard Bureau

U.S. Department

of State











National Aeronautics and Space **Administration**



Intelligence Agency



Administration Federal Bureau of **Investigation**



Environmental Protection Agency





Department of

Homeland

Security

U.S. Geological Survey











How we operate

Homeland Defense



Homeland Security is a national effort





Only when directed

Provide military assistance to civil authorities when requested and when directed.





Who does what and when





- Special skills
- Special equipment
- Communications
- Information sharing





Some Examples



Wildland **Firefighting**



National Political Convention



G-8 Summit



Space Shuttle Columbia Washington, **D.C.** Sniper



Hurricane Relief



Multi-agency



SEVERE

GUARDED

Ricin Incident



Homeland Security Advisory System 0



What We Don't Do

- Not the police auxiliary
- Don't take the lead over federal, state, or local agencies
- Don't create policy or allocate resources





NORAD - USNORTHCOM SG Roles and Responsibilities



SG Mission

The N-NC Surgeon's Office improves DOD mission effectiveness throughout the spectrum of "deter, prevent, defeat and mitigate" for this Area of Responsibility by anticipating health threats, planning, coordinating and exercising with other federal and civilian agencies and reducing vulnerabilities. The surgeon's office advises the commander on Force Health Protection and the execution of medical consequence management activities.



SG Team Mission

- Advise NORAD-USNORTHCOM CDR and staff on all medical issues...with broad interpretation of "medical"
- Anticipate, as much as possible, threats of disasters, natural or otherwise
- Forge plans and relationships before the event
 - Understand and provide key support to components
 - SG role in the deter, prevent, defeat phase
 - Pre-event consequence management planning
- Coordinating DoD medical response during and after event as requested by local, state, and other federal agencies
 - Within DoD and across all agency boundaries
 - Full range of consequence management
- Attend to the health and welfare of the people in the commands
- Make the system better every day





Conduct operations to deter, prevent, and defeat threats and aggression aimed at the United States, its territories, and interests within the assigned area of responsibility: and,

As directed by the President or Secretary of Defense, provide military assistance to civil authorities including consequence management operations

Deter...Prevent...Defeat...Mitiga

- **Advise Commander and staff on Health Service Support** (HSS) issues
- Provide medical support in the Adaptive HQ (CEB, JOG, JPG, etc)
- Provide planning and coordinating functions with other Jcodes
- Develop relationships with health authorities for full spectrum operations (before-during-after)
- Maintain the health of the command

- Specific HSS functions
 - Disease and environmental threat assessment
 - Theater health surveillance programs
 - Public Health and Preventive Medicine
 - Force Health Protection (countermeasures to the threat)
 - Agricultural terrorism
 - Health Sector CIP
 - Medical Operations Cell/Center (MOC)
 - Health service support planning for command missions
 - Recommend activation and manage DODs portion of the National Disaster Medical System (NDMS)
 - HSS input to the USNORTHCOM CONOPs and Binational Planning Group
 - Loint Regional Medical Plans and Operations



munication & Collaboration

STRATEGIC NATIONAL

OASD(HD)

OASD(HA)

J4-HSSD

JDOMS

JFCOM

SERVICE SG'S

TRANSCOM SG

STRATEGIC THEATER

NC STAFF

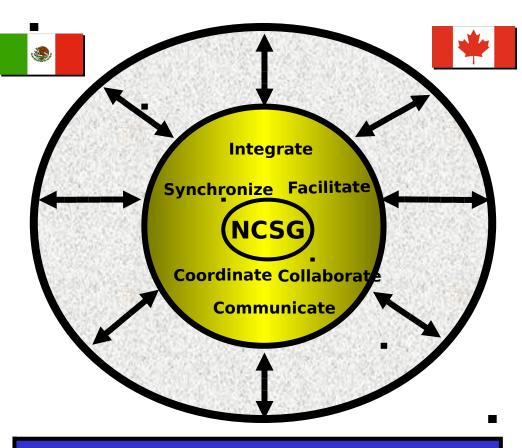
ARNORTH

NAVNORTH

NORTHAF

MARFORRES

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GUARD, RESERVES

ACADEMIA, INDUSTRY, MEDICAL ORGS, STATES

OPERATIONAL

JFLCC

TF

EAST & WEST

IFMCC

NAVNORTH EAST & WEST

JFACC

JTF-NCR

ITF-ALASKA

SJFHQ-N

JTF-CS

ITF-NORTH

INTERAGENCY

DVA

DHS/NDMS

DHHS/CDC



mmand Surgeon Directorate

As of 1 August 2005 **Command Surgeon COL Powell, MC,** USA **Deputy Administration Command Surgeon** Col Maguire, NC, Col Maguire, NC, **USAF USAF** Medical **Preventive Medicine & Operations Force Health Protection** Lt Col Gregorio, MSC,

USAF

HSS Plans and Operations

CDR Macchi, MSC, USN

Cell (MOC)

Joint Regional Medical Plans & Operations **Division**

CDR McLean, MSC, USN

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Future Operations Division

- Medical Operations Cell/Center
- Theater Medical Plans
 - For Homeland Defense
 - For Civil Support
- National Response Plan inputs (as it relates to health and medical issues)
- National Disaster Medical System
 Preparedness and Execution
- Bi-national Planning
- HSS input to USNORTHCOM CONOPs



Joint Regional Medical Plans & Operations Division

BY ORDER OF THE COMMANDER UNITED STATES NORTHERN COMMAND USNORTHCOM INSTRUCTION 40-206 1 JUNE 2004

Medical Command

JOINT REGIONAL MEDICAL PLANS AND OPERATIONS PROGRAM – NCSGJ



Regional, State, Federal Response Plans

- Emergency Response Planning, Training and Exercises (National Security Special Events)
- Emergency Response Operations
 - Supports DCO as part of the DCE
- Relationship Building
- Joint Medical Service Expertise:
 - Knowledge and experience of military and civilian regional plans/ capabilities (MOU/MOA/...)
 - Immediate Forward Deployed Response Capability
 - Exercises with local, city, state, federal and DoD medical response agencies
 - Interagency Medical Expertise

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

NOTICE: This publication is available digitally on the AFSPC WWW site at: https://midway.peterson.af.mil/pubs/northcom/index.htm.

OPR: NCSGJ (MAJ Nick Cressy, MS, USAR)

NCSGJ (CDR Stewart Smith, MSC, USN) Pages: 13

This instruction implements guidance from the Unified Command Plan signed by the President of the United States on 30 April 2002 and effective 1 October 2002 establishing U.S. Northern Command (Norseponsibilities, which included the transfer of the Joint Regional Medical Plans and Operations Program from US Joint Focres Command (USJFCOM). The Joint Regional Medical Plans and Operations Program include organization, general and special duties and responsibilities, operational concepts, command relationships, service support tasks, minimum training requirements, and authorities. This instruction is applicable to U.S. Northern Command (NC) and NC subordinate organizations. It will also prove useful to North American Aerospace Defense Command (NSAD), USJFCOM, asotical Service components, the Services, designated Joint Force Commanders (IFC's), other Unified Commands and Defense Agencies, the Joint Staff, the Department of Defense (DoD), other federal agencies, and applicable local and state authorities during activities involving planning, training, exercising, military contingencies, or military assistance to civil authorities (MACA). This instruction applies to National Guard or Reserve units when assigned to USNORTHCOM.

- 1. REFERENCES, See Attachment 1
- BACKGROUND. See Attachment 2.
- 3. EXPLANATION OF TERMS. See also, Attachment 1.

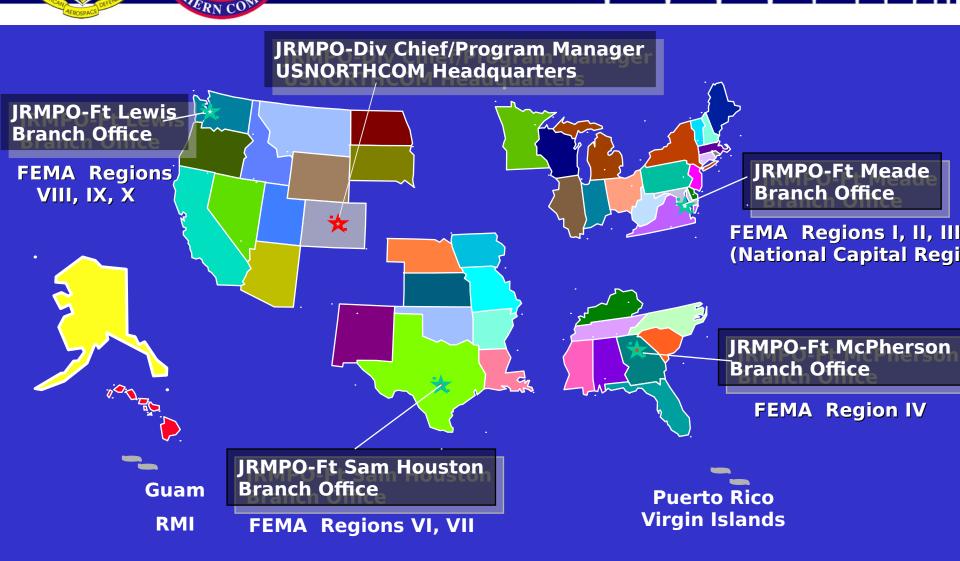
3.1. Joint Regional Medical Planner and Operator (JRMPO). In the context of this instruction, a JRMPO is an officer from the Army, Navy, or Air Force with training and experience in medical readiness planning and operations. These officers operate from one of four regional branch offices. JRMPO's have knowledge of the medical capabilities of their parent service; other services, regional federal and civilian health service support (HSS) capabilities, and can effectively and efficiently match capabilities with requirements. Due to the aemblasis on domestic responses issues [RMPO's

Paragraph 6.3.4 - "Integrate with key organizations within DoD and other Federal agencies to provide continuous situational awareness to the DCO and/or the JFC before, during and after incidents requiring MACA support for the Consequence Management

response"



Regional Medical Plans & Operations Offices



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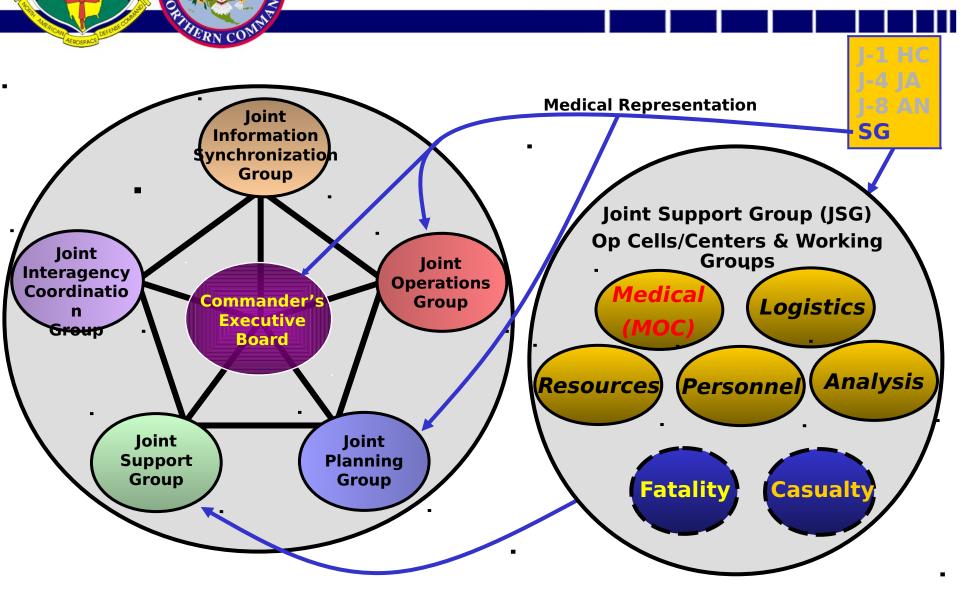
Current Operations

Division

- Force Health Protection
- Agricultural Terrorism
- Health Sector Critical Infrastructure Protection
- Immunizations
- Prophylaxis
- Disease countermeasures
- Movement restrictions
- CBRNE Health Risk Assessment, Surveillance and Mitigation
- Health Sector Theatre Security Cooperation
- Disease Surveillance
- Disease Modeling and Simulation



ransition to an Adaptive HQ



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F Roles and Responsibilities

- Under the direction of the NORAD USNORTHCOM Surgeon
- Capable of performing 24/7 operations
- Characterizes disease and environmental threats for adaptive operational cells/centers
- Provides force health protection guidance to DOD components within the theater of operations
- Provides situational understanding for HSS issues
- Synchronizes HSS efforts within the adaptive operational cells/centers to improve organizational efficiency
- Coordinates HSS for USNORTHCOM during a HLD and/or CS events
- Operates as a functional component of the JSG for



Current Operational Response



Participant Flow

INCIDE

Local

Mayor/Co unty Executive

Incident Comman der and First Responde rs

State

Governo

State
Emergen
cy
Manage
ment

State Coordina ting **Officer**

SCO

Federal

DHS (FEMA)

Emergen cy Respons

e Team

Federal Coordina ting Officer DOD

Secretary of **Defense**

U.S.
Northern
Command /
US Pacific
Command

Response Units

Joint Field Office

FCO

DCO



The Process

An Incident Occurs...



Units of Capability

Local Response



Public Health Departments First Responders Primary Care Providers Local EOC's Labs Other federal health and medical Health and Medical Treatment Facilities Medical Response Forces

Local Response

Time

Medical Sustaining Forces (Positioned East and West

Deployable Hospitals Casualty receiving ships DOD Medical Response Forces A transformed IEF

NDMS assets (Patient Mvt and Hosp)

MTF's DISEASE **INVESTIGATION**

VACCINATION PREVENTIVE MEDICINE

DOD MEDICAL RESPONSE FORCES AT THE INSTALLATION LEVEL **VETERINARY SERVICES**

MEDICAL LOGISTICS DISTRIBUTION **MENTAL HEALTH**

PATIENT DECONTAMINATION



State & Regional Response



State and Regional Resources are Overwhelmed

WMD-CST's **NG CERFP** * NG EMEDS+25 - Kansas **NGB Medical Response Assets**

State Health Departments State EOCs **SIFHO-State SEPLOs** Title 10 DCO or T10/32 JTF Regional medical C2

State and Regional Response

First Responders Primary Care Providers Labs Health and Medical Treatment Facilities Medical Response Forces

Public Health Departments Local EOC's Other federal health and medical

Local Response

Time

Medical Sustaining Forces (Positioned East and West

Deployable Hospitals Casualty receiving ships DOD Medical Response Forces A transformed IEF

NDMS assets (Patient Mvt and Hosp)

DOD MEDICAL RESPONSE FORCES AT THE INSTALLATION LEVEL

MTF's DISEASE INVESTIGATION VACCINATION PREVENTIVE MEDICINE VETERINARY SERVICES MEDICAL LOGISTICS DISTRIBUTION MENTAL HEALTH PATIENT DECONTAMINATION



Units of Capability

National Response

CCMRF (i.e. EMEDs, AFRAT)
DOD Medical Response Forces
DOD Medical Sustaining Forces
NDMS Assets (Pt Mvt and Hosp)
DOD Labs
DOD Advisory Teams (i.e. AFIP, AFIOH,
National

WMD-CST's
NG CERFP
* NG EMEDS+25 - Kansas
NGB Medical Response Assets

State Health Departments
State EOCs
SJFHQ-State
SEPLOs
Title 10 DCO or T10/32 JTF

DOD MEDICAL RESPONSE FORCES AT THE INSTALLATION LEVEL

Regional medical C2

State and Regional Response

First Responders Primary Care Providers Labs

Public Health Departments
Local EOC's

Labs
Other federal health and medical Health and Medical Treatment Facilities Medical Response Forces

Local Response

Time

Medical Sustaining Forces (Positioned East and West

Deployable Hospitals
Casualty receiving ships
DOD Medical Response Forces
A transformed IEF
NDMS assets (Patient Myt and Hosp)

MTF's
DISEASE
INVESTIGATION
VACCINATION
PREVENTIVE MEDICINE

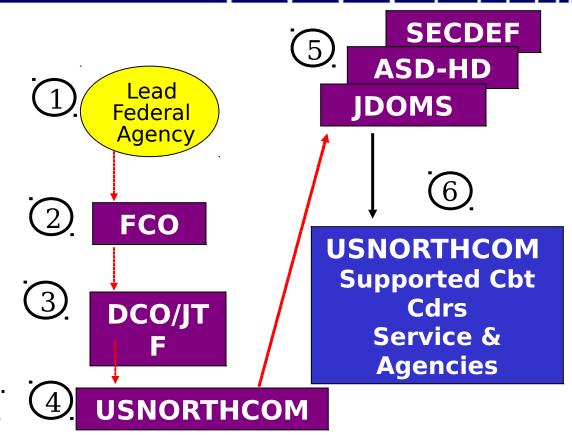
VETERINARY SERVICES
MEDICAL LOGISTICS DISTRIBUTION
MENTAL HEALTH
PATIENT DECONTAMINATION

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Request for Assistance (RFA)

- 1. Lead Federal Agency (LFA) initiates
 Action Request Form (ARF)
 [WARNORD]; coordinated through
 all ESFs in FEMA PFO
- 2. ARF sent to Federal Coordinating Officer (FCO) for tasking and allocation of funds
- 3. FCO sends ARF to Defense Coordinating Officer (DCO). If validated by DCO, ARF becomes Mission Assignment (MA). MA is evaluated by DCO/JTF CDR against existing EXORD & assets assigned. IF capability is on hand or inbound, MA is executed. IF MA cannot be satisfied, it is forwarded to NC. The JTF CDR and DCO do not develop Request For Forces (RFF) for an MA.
- 4. NC reviews MA and sends to JDOMS for ASD-HD validation and SECDEF approval.
- 5. SECDEF approves or disapproves
- 6. Upon SECDEF approval, JDOMS issues EXORD to NORTHCOM, JFCOM, TRANSCOM & Services as applicable.



Resources arrive at incident site



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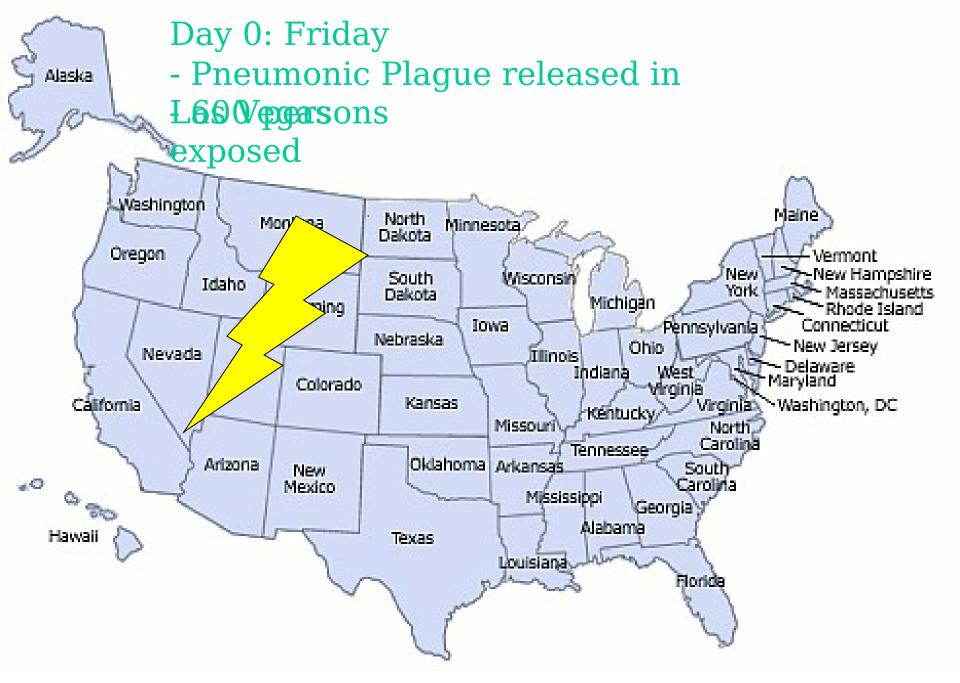




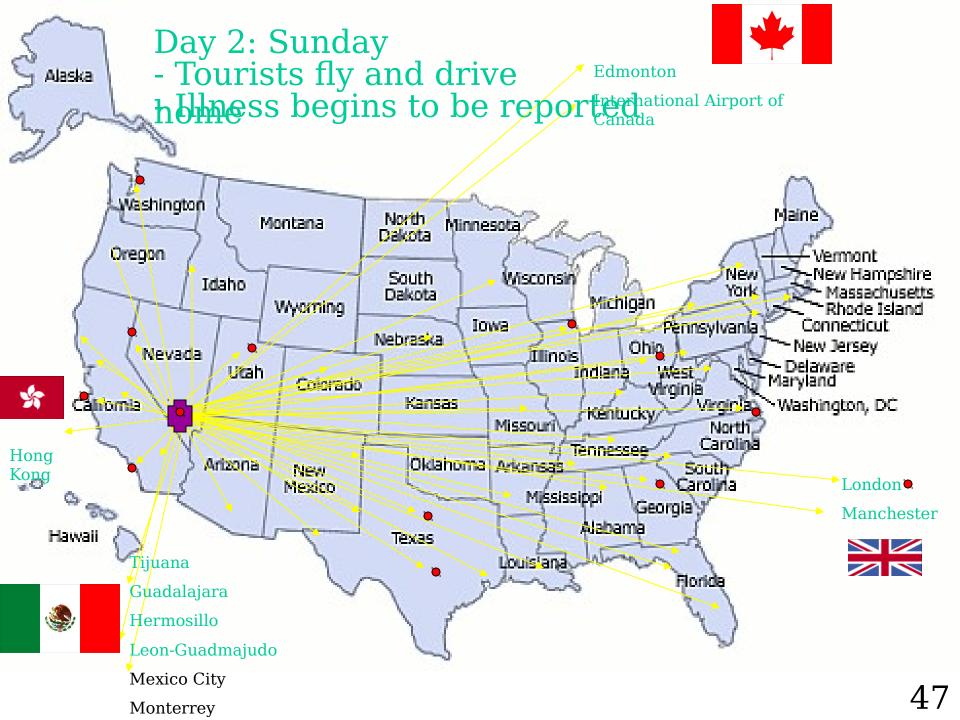
Threat Characterization to

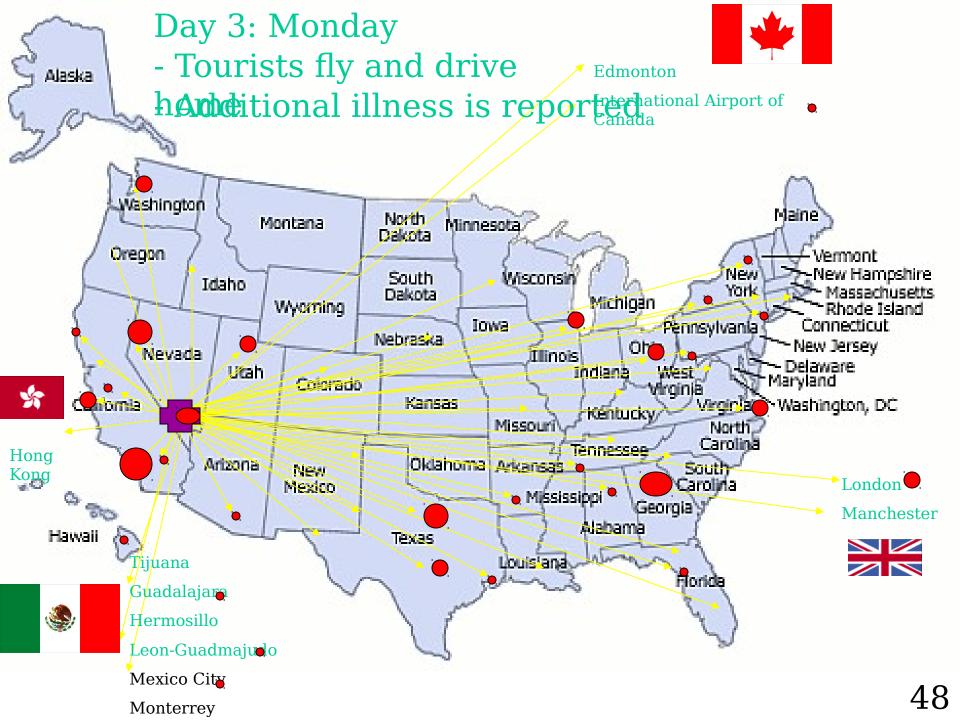
Recovery

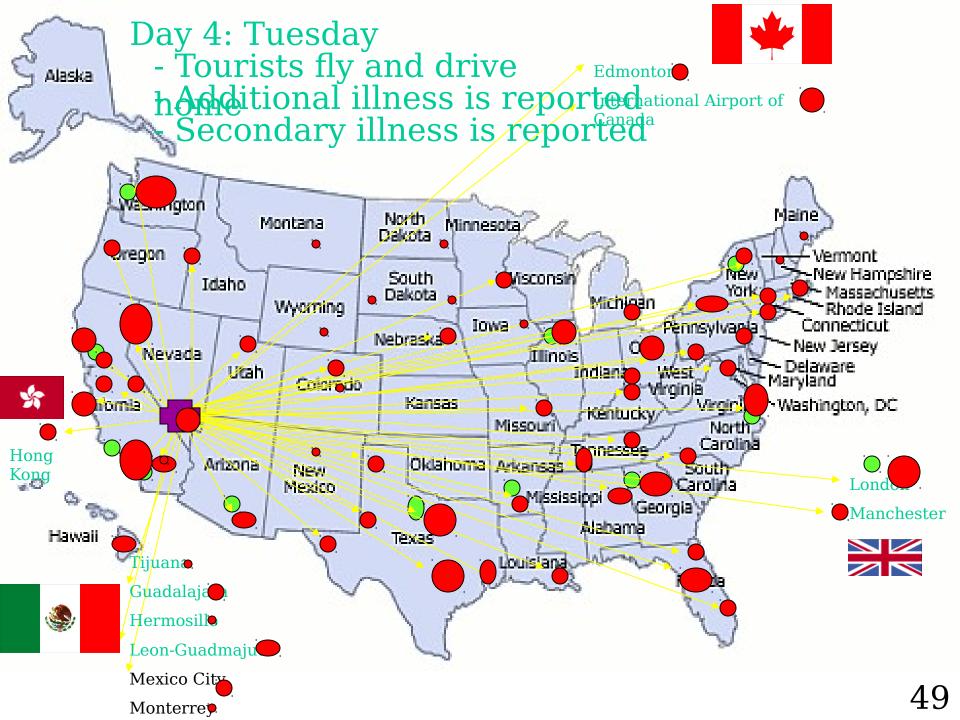
Threat Characterization
Predictive Modeling
Resource Estimation

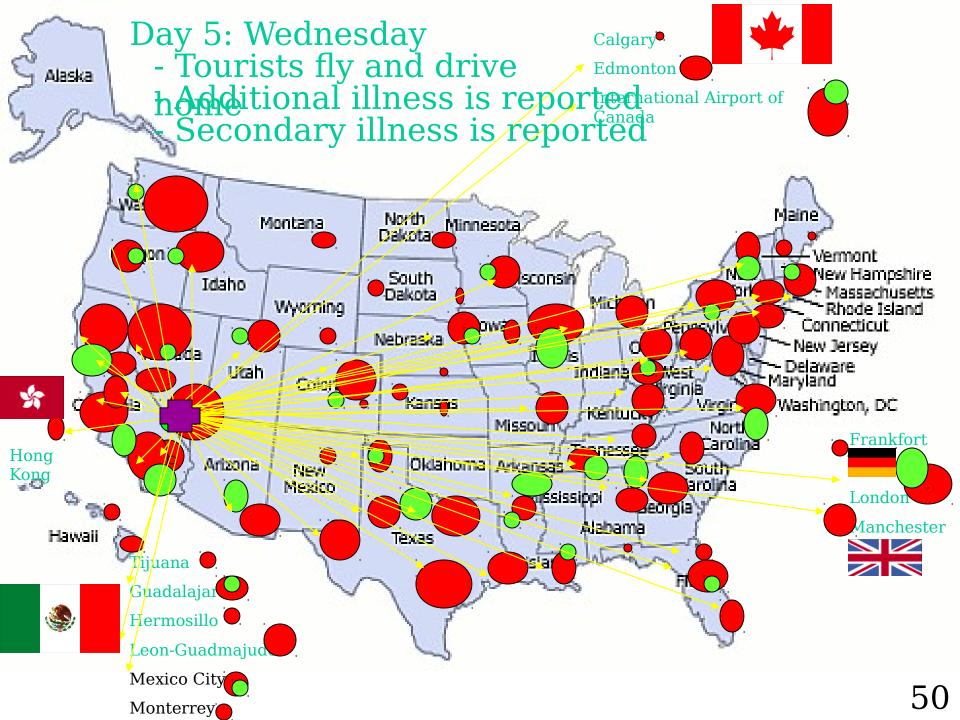












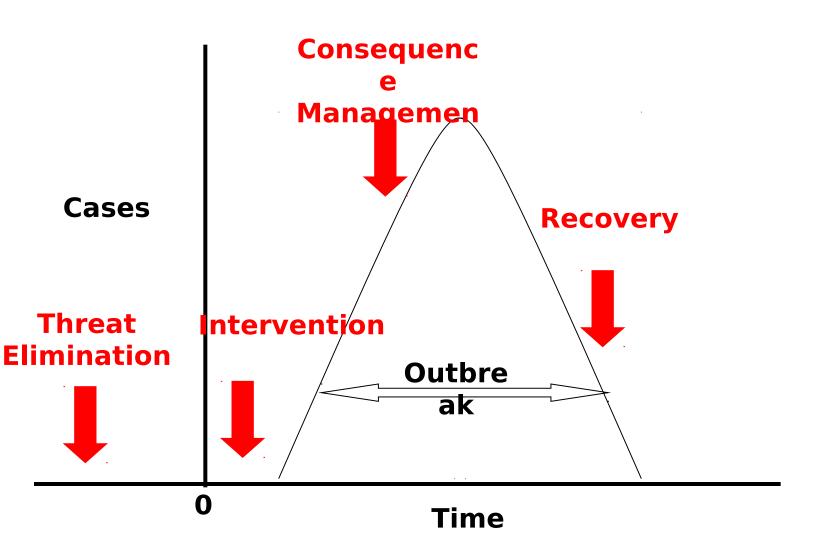


What is the Need?

Early warning of biological event to allow for appropriate intervention (HLD) and effective consequence management (HLS)









Solution

National Biosurveillance Integration System (NBIS)

DHS sponsor; Federal agencies support

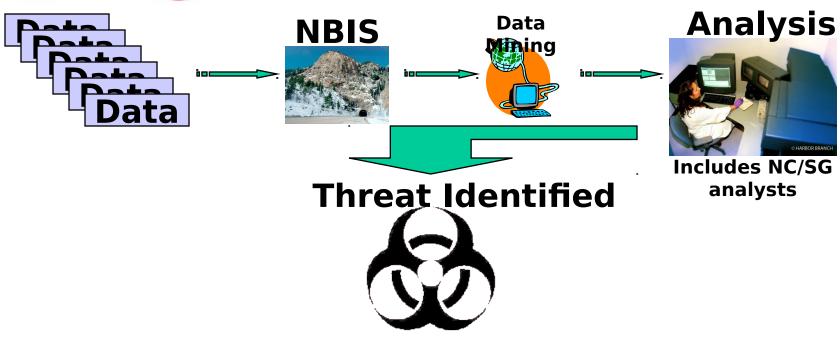
Receive, process, and analyze information

Identification of threat for dissemination

NORTHCOM Data Fusion Cell

Maintain Command situational awareness
Provide early warning
Make FHP recommendations
Deterrence with knowledge

How Boes it Work?







REQUIREMENT

To Produce Epidemiologic Data,

That Provides Casualty Generation Over Time rbidity (Degree of Severity) and Mortality Num To determine Impact on Available Medical Resources, **Identification of Medical Shortfalls** That Would Generate a Federal Response And Subsequently A DoD Response

Epidemiologic Modeling

Magic Box

- Pathogen
- Location (s) of release
- Civilian Population
- Military Population
- Weather
- Dissemination Vehicle
- Civilian response capabilities
- Military response capabilities
- Civilian transportation capabilities
- Military transportation capabilities
- Availability of assets
- EMACS ?

- # of civilian casualties (severity)
- # of military casualties (severity)
- Location of casualties
- Resource estimation (civilian/military)
 - Personnel
 - Equipment
- Intervention
 - Prophy
 - Treatment
- Transportation requirements

Medical Resources

- Personnel
- Medical Facilities
 - Beds Type of Beds (ICU, CCU, Minimal, Etc.)
 - Staffing and Throughput Available
- Medical and Non-Medical Supplies
- Transportation Assets (Include Medical Specific)

Resource Providers

- DHS (NDMS)
- DHHS Resources



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